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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/607,151	06/27/2003	Seung-Hwan Moon	6192.0299.US 5189		
7590 11/17/2004			EXAMINER		
McGuireWoods			ORTIZ, EDGARDO		
Suite 1800 1750 Tysons Boulevard			ART UNIT	PAPER NUMBER	
McLean, VA 22102-4215			2815		
			DATE MAILED: 11/17/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	on No.	Applicant(s)			
		10/607,1	51	MOON ET AL.			
	Office Action Summary	Examine	r	Art Unit			
		Edgardo		2815			
Period fo	The MAILING DATE of this communica or Reply	ation appears on the	e cover sheet with the	correspondence address			
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICANSIONS of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this communication of the period for reply specified above is less than thirty (30) of period for reply is specified above, the maximum statuting return to reply within the set or extended period for reply will reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	ATION. 37 CFR 1.136(a). In no evication. days, a reply within the statory period will apply and will, by statute, cause the app	rent, however, may a reply be tutory minimum of thirty (30) d vill expire SIX (6) MONTHS fro blication to become ABANDON	timely filed ays will be considered timely. m the mailing date of this communication. NED (35 U.S.C. § 133).			
Status							
1)⊠	Responsive to communication(s) filed on <u>30 August 2004</u> .						
2a) <u></u> ☐	his action is FINAL . 2b) This action is non-final.						
3)⊠	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠	4)⊠ Claim(s) <u>1-25</u> is/are pending in the application.						
	4a) Of the above claim(s) <u>1-3</u> is/are withdrawn from consideration.						
5)⊠	5)⊠ Claim(s) <u>4-25</u> is/are allowed.						
6)	Claim(s) is/are rejected.						
7)	Claim(s) is/are objected to.						
8)[Claim(s) are subject to restriction	on and/or election r	equirement.				
Applicati	ion Papers						
9)[The specification is objected to by the E	Examiner.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority ι	ınder 35 U.S.C. § 119						
-	Acknowledgment is made of a claim for ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority do			a)-(d) or (f).			
	1. Certified copies of the priority documents have been received.2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of		• •				
	application from the Internationa	al Bureau (PCT Rul	e 17.2(a)).	_			
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	t(s)						
_	1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-15)							
	mation Disclosure Statement(s) (PTO-1449 or PT er No(s)/Mail Date	O/SB/08)	6) Other:	гателт Аррисаноп (РТО-152)			

DETAILED ACTION

Response to Arguments

1. Applicant's election with traverse of Group II, claims 4-25 is acknowledged. The traversal is on the ground that search and examination of the whole application can be done without serious burden. This is not found persuasive because the Groups I and II are shown to be different inventions and having a separate status in the art by their different species classifications. The requirement is still deemed proper and is therefore made FINAL.

Election/Restrictions

2. This application is in condition for allowance except for the presence of claims 1-3 to an invention non-elected with traverse in the reply filed on August 30, 2004. Applicant is given TWO MONTHS from the date of this letter, whichever is longer, to cancel the noted claims or take other appropriate action (37 CFR 1.144). Failure to take action during this period will be treated as authorization to cancel the noted claims by Examiner's Amendment and pass the case to issue. Extensions of time under 37 CFR 1.136(a) will not be permitted since this application will be passed to issue.

The prosecution of this case is closed except for consideration of the above matter.

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance: The cited prior art fails to disclose, teach or suggest, at least on claim 4, a thin-film transistor including "a second conductive region formed on a second plane that is spaced apart from the substrate by a second

Art Unit: 2815

distance, the second conductive region including a second body conductive region and a plurality of second hand conductive regions, the second body conductive region extended in a first direction, and the second hand conductive regions elongated from the second body conductive region in a second direction; and a third conductive region formed on the second plane, the third conductive region including a third body conductive region and a plurality of third hand conductive regions, the third body conductive region extended in the first direction to face the second body conductive region, the third hand conductive regions elongated from the third body conductive region toward the second body conductive region, and each of the third hand conductive regions disposed between the second hand conductive regions."

At least on claim 15, a shift-resister including a "ii) a second conductive region formed on a second plane that is spaced apart from the substrate by a second distance, the second conductive region including a second body conductive region and a plurality of second hand conductive regions, the second body conductive region extended in a first direction, and the second hand conductive regions elongated from the second body conductive region in a second direction, iii) a third conductive region formed on the second plane, the third conductive region including a third body conductive region and a plurality of third hand conductive regions, the third body conductive region extended in the first direction to face the second body conductive region, the third hand conductive regions elongated from the third body conductive region toward the second body conductive region, and each of the third hand conductive regions disposed between the second hand conductive region."

At least on claim 23, a shift-resister including, "ii) a second conductive region formed on

Art Unit: 2815

a second plane spaced apart from the substrate by a second distance, the second conductive region including a second body conductive region and a plurality of second hand conductive regions, the second body conductive region extended in a first direction, and the second hand conductive regions elongated from the second body conductive region in a second direction, iii) a third conductive region formed on the second plane, the third conductive region including a third body conductive region and a plurality of 'third hand conductive regions, the third body conductive region extended in the first direction to face the second body conductive region, the third hand conductive regions elongated from the third body conductive region toward the second body conductive region, and each of the third hand conductive regions disposed between the second hand conductive regions."

And at least on claim 26, a thin-film resistor including "a second conductive region formed on a second plane that is spaced apart from the substrate by a second distance, the second conductive region including a body conductive region and two hand conductive regions elongated from both ends of the body conductive region to form an U-shape; and a third conductive region formed on the second plane, the third conductive region including a elongated portion, the elongated portion disposed between the two hand conductive regions of the second conductive region."

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2815

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edgardo Ortiz whose telephone number is 571-272-1735, or by fax at 571-273-1735. The examiner can normally be reached on Monday-Friday (1st Friday Off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on 571-272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

E**d**

A.U. 2815 11/12/04 ALLAN R. WILSON PRIMARY EXAMINER